

AUG 18 1999

K992160

# SYBRON

DENTAL SPECIALTIES, INC.

## Section III - 510(k) Summary of Safety and Effectiveness

### Submitter:

Sybron Dental Specialties, Inc.  
1717 W. Collins Avenue  
Orange, California 92867  
(714) 516-7484 - Phone  
(714) 516-7488 - Facsimile  
Colleen Boswell - Contact Person

Date Summary Prepared: June 1999

### Device Name:

- Trade Name – Nexus 2
- Common Name – Luting Cement
- Classification Name – Dental Cement, per 21 CFR § 872.3275

### Devices for Which Substantial Equivalence is Claimed:

- Kerr Corporation, *Nexus Universal Luting Cement*

### Device Description:

The device is a dual cured, chemical and light cured, resin-based, dental cement designed to be used for luting inlays, onlays, crowns, bridges, porcelain veneers and endodontic posts. Nexus 2 is a two-part, base/catalyst - paste/paste, system.

### Intended Use of the Device:

The intended use of Nexus 2 is for luting inlays, onlays, crowns, bridges, porcelain veneers and endodontic posts.

### Substantial Equivalence:

Nexus 2 is substantially equivalent to other legally marketed devices in the United States. The modified formulation of Nexus functions in a manner similar to and is intended for the same use as the original Nexus formula currently manufactured by Kerr Dental Materials Center.



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

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Ms. Colleen Boswell  
Manager, Regulatory Affairs  
Sybron Dental Specialties Incorporated  
1717 West Collins Avenue  
Orange, California 92867

Re: K992160  
Trade Name: Nexus 2  
Regulatory Class: II  
Product Code: EMA  
Dated: June 24, 1999  
Received: June 24, 1999

Dear Ms. Boswell:

We have reviewed your Section 510(k) notification of intent to market the device referenced above and we have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the Good Manufacturing Practice for Medical Devices: General (GMP) regulation (21 CFR Part 820) and that, through periodic GMP inspections, the Food and Drug Administration (FDA) will verify such assumptions. Failure to comply with the GMP regulation may result in regulatory action. In addition, FDA may publish further announcements concerning your device in the Federal Register. Please note: this response to your premarket notification submission does not affect any obligation you might have under sections 531 through 542 of the Act for devices under the Electronic Product Radiation Control provisions, or other Federal laws or regulations.

Page 2 - Ms. Boswell

This letter will allow you to begin marketing your device as described in your 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4692. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address "<http://www.fda.gov/cdrh/dsmamain.html>".

Sincerely yours,



Timothy A. Ulatowski  
Director  
Division of Dental, Infection Control,  
and General Hospital Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

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Section I - Indications for Use

510(k) Number: K992160

Device Name: Nexus 2

Indications for Use:

Nexus 2 is a dual cured, resin-based, dental cement designed to be used for luting inlays, onlays, crowns, bridges, porcelain veneers and endodontic posts.

Supriya Puri

(Division Sign-Off)  
Division of Dental, Infection Control,  
and General Hospital Devices  
510(k) Number K992160